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USPT	((tim\$ or temp\$ or date\$) and (quer\$ or search\$ or retriev\$) and database\$).clm.	1219	<u>L4</u>
USPT	((tim\$ or temp\$ or date\$) and (quer\$ or search\$ or retriev\$) and database\$).ab.	297	<u>L3</u>
USPT	((tim\$ or temp\$ or date\$) and (quer\$ or search\$ or retriev\$) and database\$).ti.	6	<u>L2</u>
USPT	((tim\$ or temp\$) and (quer\$ or search\$ or retriev\$) and database\$).ti.	6	<u>L1</u>

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L15: Entry 3 of 10

File: USPT

Sep 28, 1999

US-PAT-NO: 5960085

DOCUMENT-IDENTIFIER: US 5960085 A

TITLE: Security badge for automated access control and secure data gathering

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
de la Huerga; Carlos	River Hills	WI	53217	N/A

APPL-NO: 8/ 834634

DATE FILED: April 14, 1997

INT-CL: [6] H04L 9/32, H04L 9/00, H04L 9/30

US-CL-ISSUED: 380/25; 380/4, 380/9, 380/23, 380/30, 380/49, 340/825.31, 340/825.34, 340/825.54, 395/186, 395/187.01, 395/188.01, 235/380, 235/382

US-CL-CURRENT: 713/182; 235/380, 235/382, 340/10.41, 340/10.51, 340/825.31, 340/825.34, 380/270, 380/30, 713/200, 713/201, 713/202

FIELD-OF-SEARCH: 380/4, 380/9, 380/23, 380/24, 380/25, 380/49, 380/50, 380/59, 380/30, 235/379, 235/380, 235/382, 395/186, 395/187.01, 395/188.01, 340/825.31, 340/825.34, 340/825.54, 342/42, 342/44

REF-CITED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4384288</u>	May 1983	Walton	340/825.34
<input type="checkbox"/>	<u>4575621</u>	March 1986	Dreifus	235/380
<input type="checkbox"/>	<u>4598275</u>	July 1986	Ross et al.	N/A
<input type="checkbox"/>	<u>4730849</u>	March 1988	Siegal	N/A
<input type="checkbox"/>	<u>4817050</u>	March 1989	Komatsu et al.	N/A
<input type="checkbox"/>	<u>4835372</u>	May 1989	Gombrich et al.	N/A
<input type="checkbox"/>	<u>4839806</u>	June 1989	Goldfischer et al.	N/A
<input type="checkbox"/>	<u>4850009</u>	July 1989	Zook et al.	N/A
<input type="checkbox"/>	<u>4857713</u>	August 1989	Brown	N/A
<input type="checkbox"/>	<u>4857716</u>	August 1989	Gombrich et al.	N/A
<input type="checkbox"/>	<u>4916441</u>	April 1990	Gombrich	N/A
<input type="checkbox"/>	<u>5071168</u>	December 1991	Shamos	N/A
<input type="checkbox"/>	<u>5166498</u>	November 1992	Neeley	N/A
<input type="checkbox"/>	<u>5193855</u>	March 1993	Shamos	N/A
<input type="checkbox"/>	<u>5202929</u>	April 1993	Lemelson	N/A
<input type="checkbox"/>	<u>5272318</u>	December 1993	Gorman	N/A
<input type="checkbox"/>	<u>5319711</u>	June 1994	Servi	380/23
<input type="checkbox"/>	<u>5381487</u>	January 1995	Shamos	N/A
<input type="checkbox"/>	<u>5408655</u>	April 1995	Oren et al.	N/A
<input type="checkbox"/>	<u>5541583</u>	July 1996	Mandelbaum	340/825.54
<input type="checkbox"/>	<u>5548660</u>	August 1996	Lemelson	N/A
<input type="checkbox"/>	<u>5629981</u>	May 1997	Nerlikar	380/25

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY
2154344	September 1985	GBX

ART-UNIT: 362

PRIMARY-EXAMINER: Gregory; Bernarr E.

ATTY-AGENT-FIRM: Akin, Gump, Strauss, Hauer & Feld, L.L.P.

ABSTRACT:

A system utilizing a personal identification badge to collect data and to provide access to a computer terminal. The personal identification badge includes circuitry and transceiver components for transmitting identification information and exchanging other digital information with a computer terminal and other compatible devices. The personal identification badge establishes a wireless communication link with a computer terminal to allow a user to logon to the terminal. When a user leaves the computer terminal, the communication link is terminated, causing the computer terminal to lock the keyboard, blank the monitor, and/or logoff the user if the communication link is not restored within a sufficient time period. The personal identification badge includes means for encrypting and signing digital information. Adapted for use within a hospital, the system provides further means for establishing an affiliation between a personal identification badge and a patient, for collecting digital information from electronic devices that record or gather data regarding the status of a patient,

for digitizing and recording dictation spoken into the personal identification badge, and for modifying the digital information so collected to conform to standards, such as those of a Java applet or the hypertext markup language, for interactive display on a universal display browser.

32 Claims, 33 Drawing figures

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L15: Entry 4 of 10

File: USPT

May 11, 1999

US-PAT-NO: 5903889

DOCUMENT-IDENTIFIER: US 5903889 A

TITLE: System and method for translating, collecting and archiving patient records

DATE-ISSUED: May 11, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
de la Huerga; Carlos	River Hills	WI	N/A	N/A
Craig; William E.	San Antonio	TX	N/A	N/A

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Telaric, Inc.	San Antonio	TX	N/A	N/A	02

APPL-NO: 8/ 871818

DATE FILED: June 9, 1997

INT-CL: [6] G06F 17/30

US-CL-ISSUED: 707/3; 707/10, 707/104

US-CL-CURRENT: 707/3; 707/10, 707/104

FIELD-OF-SEARCH: 707/10, 707/104, 707/102, 707/3

REF-CITED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3872448</u>	March 1975	Mitchell	340/172.5
<input type="checkbox"/>	<u>4817050</u>	March 1989	Komatsu et al.	N/A
<input type="checkbox"/>	<u>4893270</u>	January 1990	Beck et al.	707/10
<input type="checkbox"/>	<u>4958283</u>	September 1990	Tawara et al.	364/413.13
<input type="checkbox"/>	<u>5065315</u>	November 1991	Garcia	N/A
<input type="checkbox"/>	<u>5146439</u>	September 1992	Jachmann et al.	369/25
<input type="checkbox"/>	<u>5218697</u>	June 1993	Chung	N/A
<input type="checkbox"/>	<u>5253362</u>	October 1993	Nolan et al.	707/102
<input type="checkbox"/>	<u>5361202</u>	November 1994	Doue	N/A
<input type="checkbox"/>	<u>5377323</u>	December 1994	Vasudevan	395/200
<input type="checkbox"/>	<u>5408655</u>	April 1995	Oren et al.	N/A
<input type="checkbox"/>	<u>5459860</u>	October 1995	Burnett et al.	707/104
<input type="checkbox"/>	<u>5506984</u>	April 1996	Miller	707/104
<input type="checkbox"/>	<u>5530852</u>	June 1996	Meske, Jr. et al.	707/10
<input type="checkbox"/>	<u>5646416</u>	July 1997	Van De Velde	250/584

ART-UNIT: 271

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Coby; Frantz

ATTY-AGENT-FIRM: Akin, Gump, Strauss, Hauer & Feld, L.L.P.

ABSTRACT:

A system for retrieving, modifying, and collecting data records having a plurality of formats and distributed on a plurality of databases on a computer network. The system includes means for detecting various types, relationships, and classifications of data records and modifying them accordingly to support interactive, hypertext-linked display of, and organized access to, the data records. The system further includes means to store a related set of data records on a mass storage device such as a CD-ROM to provide non-network access to the data records. Adapted for use in a hospital environment, the invention facilitates access by care providers, administrators, and insurance company agents to a patient's cumulative, and possibly extensive, record.

47 Claims, 35 Drawing figures

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L15: Entry 5 of 10

File: USPT

Apr 20, 1999

US-PAT-NO: 5895461

DOCUMENT-IDENTIFIER: US 5895461 A

TITLE: Method and system for automated data storage and retrieval with uniform addressing scheme

DATE-ISSUED: April 20, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
De La Huerga; Carlos	River Hills	WI	N/A	N/A
Craig; William E.	San Antonio	TX	N/A	N/A

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Telaric, Inc.	San Antonio	TX	N/A	N/A	02

APPL-NO: 8/ 727293

DATE FILED: October 9, 1996

PARENT-CASE:

RELATED CASES This application claims priority from co-pending provisional application Ser. No. 60/023,126, filed Jul. 30, 1996.

INT-CL: [6] G06F 17/00

US-CL-ISSUED: 707/1; 707/2, 707/100, 707/104, 707/200

US-CL-CURRENT: 707/1; 707/100, 707/104, 707/2, 707/200

FIELD-OF-SEARCH: 707/1, 707/10, 707/2, 707/100, 707/200, 707/104

REF-CITED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3872448</u>	March 1975	Mitchell	705/3
<input type="checkbox"/>	<u>4958283</u>	September 1990	Tawara et al.	382/131
<input type="checkbox"/>	<u>5253362</u>	October 1993	Nolan et al.	707/1
<input type="checkbox"/>	<u>5361202</u>	November 1994	Doue	705/3
<input type="checkbox"/>	<u>5377323</u>	December 1994	Vasudevan	395/200
<input type="checkbox"/>	<u>5506984</u>	April 1996	Miller	707/10

ART-UNIT: 271

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Min; Donald

ATTY-AGENT-FIRM: Akin, Gump, Strauss, Hauer & Feld, L.L.P.

ABSTRACT:

A computer system wherein data records are created, stored and retrieved from predetermined addresses on a plurality of databases using a specialized word processor that recognizes keywords entered by the user and associates those keywords with the unique addresses of the data records to which they refer. Each data record created for storing on the system is automatically stored at a predetermined, unique address by a word processor according to keywords entered into the data record by a user. Users creating data records may reference other data records by the use of keywords which uniquely identify those other records. References to other data records cause a word processor to create hypertext links to those other data records so that users may retrieve them without knowing where they are stored on the computer system. The word processor monitors data input to a record by a user to determine when a keyword is being entered, and assists users in identifying correct keywords which point to the data records which they desire to retrieve or refer to.

60 Claims, 18 Drawing figures

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L14: Entry 20 of 27

File: USPT

Feb 27, 1996

DOCUMENT-IDENTIFIER: US 5495600 A

TITLE: Conversion of queries to monotonically increasing incremental form to continuously query a append only database

ABPL:

To produce a continuous query for an append-only database, a client defined query first is converted into its minimal bounding non-decreasing monotone (hereinafter referred to as "monotonic increasing" query). This monotonic query, in turn, is converted into an incremental query. The resulting monotonically increasing incremental query then is installed on the database as a stored procedure that takes two date/time parameters (hereinafter referred to as "time" parameters), one of which (.tau.) identifies the last time the procedure was executed, and the other of which (t) identifies the current time. All database records are timestamped as of the time that they are entered into the database. Thus, in operation, more or less standard procedure calls periodically invoke each of the stored query procedures, thereby periodically executing the incremental queries over database records that have timestamps spanning successive time slots.

CLPR:

1. A method for repetitively filtering an append-only database to find any database records that match user specified search queries, including any matching records that are appended to said database after said filtering has been initiated; said method comprising the steps of

CLPV:

time stamping said records with respective running time values as the records are being appended to said database, whereby each of said database records has a time value that indicates when the record was appended to said database;

CLPV:

converting said user specified queries into respective incrementalized monotonic queries; and

CLPV:

repetitively running said incrementalized monotonic queries over said database to identify records that match said monotonic queries during successive non-overlapping increments of time, including a first increment that covers back to before said database existed and a final increment that covers up to current time.

CLPV:

each of said monotonic queries is bounded by recorded and current time parameters;

CLPV:

the recorded time parameter of each given one of said monotonic queries is initialized when the given monotonic query is first run to a time value predating all of said database records and is thereafter reset each time said given monotonic query is subsequently run to a time value indicating when the given monotonic query was last run; and

CLPV:

the current time parameter of each given monotonic query is reset each time said given monotonic query is run to current time.

CLPV:

NOT EXIST expressions with arbitrary time dependent subexpressions are permissible elements of said user specified queries.

CLPV:

said database is managed by a host computer.

CLPV:

each of said monotonic queries is stored by said host computer as a stored procedure which takes a recorded time parameter and a current time parameter as variables.

CCOR:

707/3